



Date: 02.02.2016

Ananthapuramu Ultra Mega Solar Power Project (1000 MW)
N P Kunta Ananthapuramu Dist. (AP)
Phase-1: 250 MW (5 X 50 MW)

Progress Report: As on 02.02.2016

A. Project Synopsis:

Location	NP Kunta village and Mandal, Ananthapuramu district, AP
Nearest Railhead / Airport	Kadiri Railway Station (30 Km) / Bangalore International Airport (220 Km)
Approved Capacity	250 MW phase I (Five Blocks of 50 MW)P1,P2,P3,P4,P5
Investment approval	28.04.2015
Beneficiary / Status of PPA	Andhra Pradesh. PPA Signed with AP Southern Power Distribution Company on 24.04.2015.
Power Evacuation System	33 kV voltage level from each block of 50 MW up to APTRANSCO's pooling substation & at 220 / 400 kV beyond that point.
INPUTS:	
Land Requirement	1250 Acres land has been handed over to NTPC.
EPC Contract award	NOA issued on 29.04.15 to the following bidders: <input type="checkbox"/> P1 & P2 Block (2x50MW=100 MW) : M/s Tata <input type="checkbox"/> P3 Block (50 MW) : M/s Lanco <input type="checkbox"/> P3 Block (50 MW): M/s BHEL <input type="checkbox"/> P4 Block (50 MW): M/s Sterling &Wilson
Commissioning Schedule	<input type="checkbox"/> P2 to P5 blocks ----Apr 2016 <input type="checkbox"/> P1 block -----Oct 2016



B. Highlights:

- a) PEB superstructure erection is in progress in P-2, P-3 P-4 & P-5 blocks.
- b) String Monitoring Unit (SMU) erection taken up in P-2, P-3, P-4 & P-5 blocks.
- c) DC cabling work is in progress in P-2, P-3 P-4 and P-5 blocks.
- d) Inverters for P-2, P-3, P-4 & P5 blocks received at site.
- e) HT switchgears (33 KV) for P-2, P-3 & P-4 blocks received at site.
- d) Battery and charger for P-3 block received at site.
- e) CMCS building roof casting in P-2 block done on 12.01.2016.

C. Work Progress:

Sl. No.	Activity	P2 (Tata)	P3 (Lanco)	P4 (BHEL)	P5 (Sterling & Wilson)	P1 (Tata)
1	MMS Foundation casting (Nos.)	31520/ 33408	27545 / 33336	30314 / 33572	31091 / 33264	20944/33228
2	MMS tables	7868/8353	3887 / 8334	5043 / 8393	5308/8316	-/ 8353
3	Module erection(Tables)	3892 / 8353	2477 / 8334	2945 / 8393	3086 / 8316	-/ 8353
4	CMCS building	Roof slab cast on 12.01.2016. Cable trench completed. Internal plastering i/p.	External and internal plastering & cable trench works completed. Cable tray work in progress.	Roof slab cast. Inside plastering, cable trench & internal partition brick work in progress.	Roof slab cast. Internal cable trenches completed. Cable tray work in progress.	Building has reached lintel level. Roof slab shuttering started.
5	PEB building (Inverter room)	Civil works completed in 9 / 12. Super structure	Civil works completed in 7 /9. Super structure	Civil works completed in 7/9 blocks. Superstructure	PEB structures erected in 6	Excavation started.

		completed in 3 nos (24,23 & 21).	completed in 1 no (No.7) & in progress in 2 nos. (^&%).	erection is in progress in 7/9 blocks.	blocks.	
6	Modules received (MW)	43.72	25.85	37.10	32.67	

D. Constraints / Road blocks:

1. 33 KV cable support structures (APSPCL):

The work is slow, especially in nallah crossing area. 33 KV cables have already reached site and the erection front has to be released to the agencies. Considering 15 days duration for cable tray & cable laying works, the support structures need to be made ready latest by 14.02.2016, for availing startup power by 29.02.2016.

2. Readiness of 220 / 400 kV Substations and associated transmission lines:

Readiness of 33 / 220 kV substation of APTRANSCO and 400 kV switchyard of Power Grid and associated transmission system may be ensured latest by end February 2016, for availing startup power by end February 2016.

3. Handing over of 500 acres of land under Ph-2:

During the latest JWG held on 20.01.2016, it was informed that the handing over of additional 500 acres of land will take another 3 months. Unless the land is handed over, NTPC may not be able to place LOA for Ph-2 EPC contracts, presently scheduled for February 2016.



4. Bridges across the HNSS canal:

Bridges across the HNSS canal may be made ready on priority, since Ph-2 EPC contracts are now expected to be awarded by February 2016. Techno-commercial bids were opened on 26.11.2015.

5. 11 KV line in Ph-2 area:

These lines needs to be dismantled before handing over the land to NTPC.

6. Communication facility is required for Phase-1, as the site activities are affected by poor connectivity / communication.

7. Main road from Kadiri to N P Kunata got damaged at several places during the recent rain. Temporary repair work has been carried out in single lane road, but no improvement visible in the traffic.

E. Progress Photos :

Photos are annexed to this report.

-000-

Progress Photos

(Annexure to Progress Report dtd. 02.02.2016)



Figure-1: PV module & MMS structure erection works in P-2 block (M/s Tata) as on 31.01.2016



Figure-2: 33 KV cable support pedestal works in P-2 area (M/s APSPCL) as on 31.01.2016



Figure-3: CMCS building in P-3 block (M/s Lanco) as on 31.01.2016



Figure-4: Plant internal road in P-3 block (M/s Lanco) as on 31.01.2016



Figure-5: MMS and PV module erection works in P-4 block (M/s BHEL) on 31.01.2016



Figure-6: CMCS building in P-4 block (M/s BHEL) on 31.01.2016



Figure-7: Pre Engineered Building (PEB) in P-5 block (M/s Sterling & Wilson) as on 31.01.2016



Figure-8: Cable tray work inside CMCS building in P-5 block (M/s Sterling & Wilson) as on 31.01.2016



Figure-9: Plant Main Approach Road works (M/s APSPCL) as on 31.01.2016 (220 KV Multi-circuit tower and switchyard of APTRANSCO are on the back ground)